```
=> fil reg
FILE 'REGISTRY' ENTERED AT 14:12:23 ON 23 MAR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    21 MAR 2006  HIGHEST RN 877591-95-2
DICTIONARY FILE UPDATES:  21 MAR 2006  HIGHEST RN 877591-95-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*******************************************************************
*                                                                 *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                 *
*******************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> => d ide can tot l137

L137 ANSWER 1 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   214204-77-0  REGISTRY
ED   Entered STN:  12 Nov 1998
CN   DNA (human stratum corneum epidermidis corneodesmosine cDNA) (9CI)
     (CA INDEX NAME)
OTHER NAMES:
CN   2: PN: WO0162788 FIGURE: 2 claimed sequence
CN   Corneodesmosin (human clone UWGC:y24c203)
FS   NUCLEIC ACID SEQUENCE
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
               2 REFERENCES IN FILE CA (1907 TO DATE)
               2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  135:206476
REFERENCE   2:  129:287149

L137 ANSWER 2 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   214204-76-9  REGISTRY
ED   Entered STN:  12 Nov 1998
CN   Corneodesmosin (human clone 1.1 gene S) (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   368: PN: WO0162788 SEQID: 194 unclaimed protein
CN   Corneodesmosine (human stratum corneum epidermidis)
FS   PROTEIN SEQUENCE
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
               3 REFERENCES IN FILE CA (1907 TO DATE)
               3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  135:206476

REFERENCE   2:  129:287149

REFERENCE   3:  129:286542

L137 ANSWER 3 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   204881-29-8  REGISTRY
ED   Entered STN:  30 Apr 1998
CN   DNA (human clone 1.1 gene S corneodesmosin cDNA plus flanks) (9CI)
     (CA INDEX NAME)
OTHER NAMES:
CN   1: PN: WO03050311 PAGE: 6 unclaimed DNA
CN   GenBank AF030130
FS   NUCLEIC ACID SEQUENCE
MF   Unspecified
CI   MAN
SR   GenBank
LC   STN Files:   BIOSIS, CA, CAPLUS, GENBANK, USPATFULL

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
               2 REFERENCES IN FILE CA (1907 TO DATE)
               2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  139:51148

REFERENCE   2:  129:286542

L137 ANSWER 4 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   186207-03-4  REGISTRY
ED   Entered STN:  18 Feb 1997
CN   Proteinase inhibitor, TIMP 4 (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Proteinase inhibitor TIMP 4
CN   TIMP-4
CN   Tissue inhibitor of metalloproteinase-4
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   BIOSIS, CA, CAPLUS, EMBASE, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
             224 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             228 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:190052

REFERENCE   2:  144:189689

REFERENCE   3:  144:167738

REFERENCE   4:  144:147268

REFERENCE   5:  144:105538

REFERENCE   6:  144:104589

REFERENCE   7:  144:104509

REFERENCE   8:  143:457070

REFERENCE   9:  143:457034

REFERENCE  10:  143:437489

L137 ANSWER 5 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   164781-48-0  REGISTRY
ED   Entered STN:  14 Jul 1995
CN   DNA (human clone pCFM836 proteinase inhibitor TIMP-3 cDNA plus
     flanks) (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Deoxyribonucleic acid (human clone pCFM836 proteinase inhibitor
     TIMP-3 messenger RNA-complementary plus 5'- and 3'-flanking region
     fragment)
FS   NUCLEIC ACID SEQUENCE
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  123:78447

L137 ANSWER 6 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   156438-33-4  REGISTRY
ED   Entered STN:  20 Jul 1994
CN   Proteinase inhibitor, TIMP 3 (human clone T7-1 reduced) (9CI)
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     (CA INDEX NAME)
OTHER NAMES:
CN   Metalloproteinase-3 inhibitor (human clone 12006 precursor)
CN   Proteinase inhibitor TIMP 3 (human clone 12006b precursor)
CN   Proteinase inhibitor TIMP3 (human)
CN   Proteinase inhibitor, TIMP-3 (human clone pCFM836)
CN   Proteinase inhibitor, TIMP-3 (human clone T-012006 precursor)
CN   Tissue inhibitor of metalloproteinases TIMP-3 (human breast cancer
     clone T7-1)
FS   PROTEIN SEQUENCE
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER, USPATFULL

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
               6 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
               6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  124:195371

REFERENCE   2:  123:78447

REFERENCE   3:  123:51088

REFERENCE   4:  121:223351

REFERENCE   5:  121:131112

REFERENCE   6:  121:102743

L137 ANSWER 7 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   155215-90-0  REGISTRY
ED   Entered STN:  20 May 1994
CN   Proteinase, SCCE (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Kallikrein 7
CN   Kallikrein hK7
CN   Kallikrein KLK7
CN   Proteinase PRSS6
CN   SCCE proteinase
CN   Stratum corneum chymotryptic enzyme
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   AGRICOLA, BIOSIS, CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
              77 REFERENCES IN FILE CA (1907 TO DATE)
              77 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:206997

REFERENCE   2:  144:48688

REFERENCE   3:  143:263112
REFERENCE   4:  143:261341

REFERENCE   5:  143:227325

REFERENCE   6:  143:222439

REFERENCE   7:  143:191790

REFERENCE   8:  143:127832

REFERENCE   9:  143:91393

REFERENCE  10:  143:23849

L137 ANSWER 8 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   148263-58-5  REGISTRY
ED   Entered STN:  24 Jun 1993
CN   Proteinase inhibitor, protease-nexin (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   PAI 4
CN   Plasminogen activator inhibitor-4
CN   Protease-nexin
CN   Proteinase nexin
CN   Proteinase-nexins
CN   Proteinase-nexins proteins
CN   Proteinates, proteinase-nexins
CN   Proteins, proteinase-nexins
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   AGRICOLA, BIOSIS, CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
              38 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
              38 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  140:13034

REFERENCE   2:  134:306073

REFERENCE   3:  133:346160

REFERENCE   4:  133:330336

REFERENCE   5:  132:261023

REFERENCE   6:  131:72000

REFERENCE   7:  130:49292

REFERENCE   8:  126:249522

REFERENCE   9:  125:323812

REFERENCE  10:  123:78447

L137 ANSWER 9 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   145809-21-8  REGISTRY
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ED   Entered STN:  10 Feb 1993
CN   Proteinase inhibitor, TIMP 3 (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Proteinase inhibitor TIMP 3
CN   TIMP 3
CN   Tissue inhibitor of matrix metalloproteinase 3
CN   Tissue inhibitor of metalloproteinase-3
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN, EMBASE, PROMT,
       TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
             796 REFERENCES IN FILE CA (1907 TO DATE)
               6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             804 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:230412

REFERENCE   2:  144:230350

REFERENCE   3:  144:230289

REFERENCE   4:  144:210392

REFERENCE   5:  144:190421

REFERENCE   6:  144:190130

REFERENCE   7:  144:190052

REFERENCE   8:  144:190023

REFERENCE   9:  144:189392

REFERENCE  10:  144:189274

L137 ANSWER 10 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   142243-03-6  REGISTRY
ED   Entered STN:  08 Jul 1992
CN   Proteinase inhibitor, PAI-2 (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Cytokines, minactivin
CN   Minactivin
CN   PAI 2
CN   Plasminogen activator inhibitor type 2
CN   Plasminogen activator inhibitor type II
CN   Plasminogen activator inhibitor-2
CN   Plasminogen activator-2
CN   Serpin B2
CN   Type 2 plasminogen activator inhibitor
DR   143514-72-1
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   ADISINSIGHT, ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA,
       CAPLUS, CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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          586 REFERENCES IN FILE CA (1907 TO DATE)
           19 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
          588 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:210585

REFERENCE   2:  144:209914

REFERENCE   3:  144:190535

REFERENCE   4:  144:187507

REFERENCE   5:  144:169035

REFERENCE   6:  144:164211

REFERENCE   7:  144:145105

REFERENCE   8:  144:104415

REFERENCE   9:  144:67665

REFERENCE  10:  144:65906

L137 ANSWER 11 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   141256-52-2  REGISTRY
ED   Entered STN:  08 May 1992
CN   Matrilysin (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   E.C. 3.4.24.23
CN   Matrix metalloprotease 7
CN   Matrix metalloproteinase MMP-7
CN   Matrix metalloproteinase pump 1
CN   Matrix metalloproteinase-7
CN   MMP 7
CN   Proteinase, metallo-, pump-1
CN   Proteinase, PUMP-1
DR   140879-23-8
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CHEMCATS,
       CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
            1016 REFERENCES IN FILE CA (1907 TO DATE)
              10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            1023 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:231109

REFERENCE   2:  144:230295

REFERENCE   3:  144:230289

REFERENCE   4:  144:226182

REFERENCE   5:  144:209779

REFERENCE   6:  144:198849
REFERENCE   7:  144:190138

REFERENCE   8:  144:190130

REFERENCE   9:  144:189463

REFERENCE  10:  144:184702

L137 ANSWER 12 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   140610-48-6  REGISTRY
ED   Entered STN:  17 Apr 1992
CN   Stromelysin 2 (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   E.C. 3.4.24.22
CN   Matrix metalloprotease 10
CN   Matrix metalloproteinase 10
CN   Proteoglycanase 2
CN   Transin 2
CN   Transins, 2
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   BIOSIS, BIOTECHNO, CA, CAPLUS, EMBASE, TOXCENTER, USPAT2,
       USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
             291 REFERENCES IN FILE CA (1907 TO DATE)
               3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             292 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:126259

REFERENCE   2:  144:126128

REFERENCE   3:  144:114605

REFERENCE   4:  144:104644

REFERENCE   5:  144:104509

REFERENCE   6:  144:100355

REFERENCE   7:  144:81445

REFERENCE   8:  144:67612

REFERENCE   9:  144:48688

REFERENCE  10:  144:45269

L137 ANSWER 13 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   140208-24-8  REGISTRY
ED   Entered STN:  03 Apr 1992
CN   Proteinase inhibitor, TIMP 1 (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   EPA proteins
CN   Erythroid-potentiating activity proteins
CN   Fibroblast collagenase inhibitor
CN   Gene TIMP1 proteins
CN   Metalloproteinase inhibitor 1
CN   Protein EPA
CN   Protein TIMP
CN   Protein TIMP-1
CN   Proteinase inhibitor TIMP 1
CN   TIMP 1
CN   TIMP-1 proteins
CN   Tissue inhibitor of metalloproteinase-1
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN, EMBASE, PROMT,
       TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
            3019 REFERENCES IN FILE CA (1907 TO DATE)
              47 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            3033 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:231109

REFERENCE   2:  144:230621

REFERENCE   3:  144:230445

REFERENCE   4:  144:230350

REFERENCE   5:  144:230289

REFERENCE   6:  144:226702

REFERENCE   7:  144:226286

REFERENCE   8:  144:225825

REFERENCE   9:  144:210569

REFERENCE  10:  144:210309

L137 ANSWER 14 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   140208-23-7  REGISTRY
ED   Entered STN:  03 Apr 1992
CN   Proteinase inhibitor, PAI-1 (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   EIP-1 sialoglycoproteins
CN   PAI-1
CN   Plasminogen activator inhibitor I
CN   Plasminogen activator inhibitor type 1
CN   Plasminogen activator inhibitor-1
CN   Plasminogen activator-inhibiting proteins, 1
CN   Protease inhibitor PAI-1
CN   Serpin E1
CN   Sialoglycoproteins, EIP-1
CN   Sialoglycoproteins, EIP-1 (epidermal growth factor-induced protein 1)
CN   Type 1 plasminogen activator inhibitor
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS,
       CIN, EMBASE, IPA, PROMT, TOXCENTER, USPAT2, USPATFULL
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

            4973 REFERENCES IN FILE CA (1907 TO DATE)
             120 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            4994 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:231109

REFERENCE   2:  144:230752

REFERENCE   3:  144:230741

REFERENCE   4:  144:230705

REFERENCE   5:  144:230633

REFERENCE   6:  144:230342

REFERENCE   7:  144:230185

REFERENCE   8:  144:229886

REFERENCE   9:  144:229815

REFERENCE  10:  144:228856

L137 ANSWER 15 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   124861-55-8  REGISTRY
ED   Entered STN:  19 Jan 1990
CN   Proteinase inhibitor, TIMP 2 (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Proteinase inhibitor TIMP 2
CN   TIMP 2
CN   TIMP-2 proteinase inhibitor
CN   Tissue inhibitor metalloproteinase-2
DR   127497-59-0
MF   Unspecified
CI   MAN
SR   CA
LC   STN Files:   ADISINSIGHT, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN,
       DDFU, DRUGU, EMBASE, MEDLINE, PHAR, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
            2072 REFERENCES IN FILE CA (1907 TO DATE)
              41 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            2088 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:230289

REFERENCE   2:  144:228025

REFERENCE   3:  144:210236

REFERENCE   4:  144:210207

REFERENCE   5:  144:210206
REFERENCE   6:  144:209952

REFERENCE   7:  144:209891

REFERENCE   8:  144:209417

REFERENCE   9:  144:206202

REFERENCE  10:  144:205810

L137 ANSWER 16 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   86697-40-7  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Proteinase inhibitor, ovostatin (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Ovostatin
MF   Unspecified
CI   MAN
LC   STN Files:   AGRICOLA, BIOSIS, CA, CAPLUS, MEDLINE, TOXCENTER, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
              16 REFERENCES IN FILE CA (1907 TO DATE)
              16 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:65143

REFERENCE   2:  141:237749

REFERENCE   3:  141:185923

REFERENCE   4:  140:24172

REFERENCE   5:  131:254167

REFERENCE   6:  130:310828

REFERENCE   7:  123:78447

REFERENCE   8:  119:23021

REFERENCE   9:  116:15389

REFERENCE  10:  111:35630

L137 ANSWER 17 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   86102-31-0  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Proteinase inhibitor, TIMP (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Metalloproteinase elastase inhibitor
CN   Proteinase inhibitor TIMP
CN   TIMP
CN   TIMP metalloproteinase inhibitor
CN   TIMP proteinase inhibitor
CN   Tissue inhibitor of matrix metalloproteinase
CN   Tissue inhibitor of metalloproteinase
MF   Unspecified
CI   MAN
LC   STN Files:   ADISINSIGHT, ADISNEWS, AGRICOLA, BIOSIS, CA, CAPLUS, CIN,
       PHAR, PROMT, TOXCENTER, USPAT2, USPATFULL
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
              869 REFERENCES IN FILE CA (1907 TO DATE)
               23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
              873 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:230700

REFERENCE   2:  144:184128

REFERENCE   3:  144:167482

REFERENCE   4:  144:156728

REFERENCE   5:  144:148248

REFERENCE   6:  144:147559

REFERENCE   7:  144:147405

REFERENCE   8:  144:146029

REFERENCE   9:  144:120474

REFERENCE  10:  144:106333

L137 ANSWER 18 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   83534-39-8  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Amidase, peptide-N4-(N-acetyl-β-glucosaminyl)asparagine (9CI)  (CA
     INDEX NAME)
OTHER NAMES:
CN   Amidase, glycopeptide 4-aspartylglycosylamine
CN   Amidase, peptidoglycan aspartylglucosamine
CN   Aspartylglucosamine amidase
CN   E.C. 3.2.2.18
CN   E.C. 3.5.1.52
CN   Glycoamidase
CN   Glycoamidase F
CN   Glycopeptidase F
CN   Glycosidase, glycopeptide N-
CN   N-Glycanase
CN   N-Glycosidase F
CN   Peptide N-glycanase
CN   Peptide N-glycosidase
CN   Peptide N-glycosidase F
CN   Peptide N4-(N-acetyl-β-glucosaminyl)asparagine amidase
CN   Peptide-N4-(acetyl-β-glucosaminyl)asparagine amidase
CN   Peptide-N4-(N-acetyl-β-D-glucosaminyl)asparagine amidase
CN   Peptide-N4-(N-acetyl-β-glucosaminyl)asparagine amidase
CN   Peptide-N4-(N-acetylglucosaminyl)asparagine amidase
CN   PGNase F
CN   PNGase F
DR   63774-44-7, 72270-68-9
MF   Unspecified
CI   MAN
LC   STN Files:   AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CHEMCATS, CIN,
       CSCHEM, EMBASE, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
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              361 REFERENCES IN FILE CA (1907 TO DATE)
                2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
              363 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:187771

REFERENCE   2:  144:187595

REFERENCE   3:  144:186954

REFERENCE   4:  144:184702

REFERENCE   5:  144:167887

REFERENCE   6:  144:166894

REFERENCE   7:  144:166768

REFERENCE   8:  144:104591

REFERENCE   9:  144:84798

REFERENCE  10:  144:50051

L137 ANSWER 19 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   81669-70-7  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Proteinase, metallo- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Acidolysin
CN   ATNase
CN   Metalloendopeptidase
CN   Metalloendoprotease
CN   Metallopeptidase
CN   Metalloprotease
CN   Metalloproteinase
CN   N-(2,4)-Dinitrophenylpeptidase
CN   Zinc metalloproteinase
DR   120720-15-2, 120720-16-3, 129292-40-6, 143639-34-3
MF   Unspecified
CI   MAN
LC   STN Files:   ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CHEMCATS,
       CIN, EMBASE, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
         (*File contains numerically searchable property data)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
            3674 REFERENCES IN FILE CA (1907 TO DATE)
              36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            3688 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:230152

REFERENCE   2:  144:229589

REFERENCE   3:  144:229040

REFERENCE   4:  144:227710

REFERENCE   5:  144:227700
REFERENCE   6:  144:226282

REFERENCE   7:  144:211109

REFERENCE   8:  144:190734

REFERENCE   9:  144:190694

REFERENCE  10:  144:188452

L137 ANSWER 20 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   79955-99-0  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Stromelysin 1 (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   E.C. 3.4.24.17
CN   Matrix metalloprotease 3
CN   Matrix metalloproteinase 3
CN   Matrix metalloproteinase MMP-3
CN   MMP-3
CN   Neutral proteoglycanase
CN   Proteoglycanase
CN   Stromelysin
CN   Transin
DR   107087-03-6, 118368-07-3
MF   Unspecified
CI   MAN
LC   STN Files:   ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS,
       CASREACT, CHEMCATS, CIN, EMBASE, IPA, PROMT, TOXCENTER, USPAT2,
       USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
            3134 REFERENCES IN FILE CA (1907 TO DATE)
              30 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            3150 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:231848

REFERENCE   2:  144:230787

REFERENCE   3:  144:230636

REFERENCE   4:  144:230633

REFERENCE   5:  144:230621

REFERENCE   6:  144:226286

REFERENCE   7:  144:226281

REFERENCE   8:  144:225825

REFERENCE   9:  144:210925

REFERENCE  10:  144:210533

L137 ANSWER 21 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   60616-82-2  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Cathepsin L (9CI)  (CA INDEX NAME)
```

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OTHER NAMES:
CN   Aldrichina grahami cysteine proteinase
CN   Cathepsin L1
CN   Cathepsin L2
CN   E.C. 3.4.22.15
CN   Pacific whiting surimi wash water proteinase
MF   Unspecified
CI   MAN
LC   STN Files:   AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CHEMCATS,
       CIN, CSCHEM, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

            2114 REFERENCES IN FILE CA (1907 TO DATE)
              16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            2118 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:230483

REFERENCE   2:  144:228977

REFERENCE   3:  144:228267

REFERENCE   4:  144:227292

REFERENCE   5:  144:227287

REFERENCE   6:  144:210256

REFERENCE   7:  144:209955

REFERENCE   8:  144:190138

REFERENCE   9:  144:190130

REFERENCE  10:  144:189097

L137 ANSWER 22 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   37205-61-1  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Proteinase inhibitor (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Antiproteinase
CN   Fu Gu Tai
CN   Protease inhibitor
DR   139074-30-9, 144716-05-2, 144132-75-2
MF   Unspecified
CI   MAN
LC   STN Files:   ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS,
       CIN, DIOGENES, EMBASE, IFICDB, IFIPAT, IFIUDB, PROMT, TOXCENTER, USPAT2,
       USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
            5293 REFERENCES IN FILE CA (1907 TO DATE)
             108 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            5297 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:240015
REFERENCE   2:  144:229639

REFERENCE   3:  144:211613

REFERENCE   4:  144:205810

REFERENCE   5:  144:205774

REFERENCE   6:  144:205726

REFERENCE   7:  144:187552

REFERENCE   8:  144:168626

REFERENCE   9:  144:168236

REFERENCE  10:  144:167520

L137 ANSWER 23 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   9087-70-1  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Trypsin inhibitor, pancreatic basic (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Antikrein
CN   Antilysin
CN   Antilysine
CN   Aprotinin
CN   Basic pancreatic trypsin inhibitor
CN   Bayer A 128
CN   Bovine basic pancreatic trypsin inhibitor
CN   Bovine pancreatic trypsin inhibitor
CN   Bovine trypsin inhibitor
CN   BPTI
CN   BPTI trypsin inhibitor
CN   Fosten
CN   Kallikrein-trypsin inactivator
CN   Kiker 52G
CN   Kir Richter
CN   Kunitz pancreatic trypsin inhibitor
CN   Kunitz protease inhibitor
CN   Kunitz trypsin inhibitor
CN   Kunitz-type inhibitor
CN   Kunitz-type proteinase inhibitor
CN   Kunitz-type trypsin inhibitor
CN   Onquinin
CN   Pancreatic basic trypsin inhibitor
CN   Pancreatic trypsin inhibitor
CN   Pancreatic trypsin inhibitor (Kunitz)
CN   Protease inhibitor, Kunitz type
CN   Repulson
CN   RP 9921
CN   Trasuylol
CN   Trasylol
CN   Trazinin
CN   Triazinin
CN   Trypsin inhibitor, Trasylol
CN   Trypsin-kallikrein inhibitor (Kunitz)
CN   Zymofren
DR   9004-04-0, 9039-77-4, 11005-72-4, 11132-77-7, 69431-34-1, 39283-52-8
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MF   Unspecified
CI   COM, MAN
LC   STN Files:   ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS,
       CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE,
       IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSRESEARCH, IPA,
       MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PHAR, PROMT, PS, RTECS*,
       SCISEARCH, TOXCENTER, USAN, USPAT2, USPATFULL, VTB
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**, WHO
         (**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

            3884 REFERENCES IN FILE CA (1907 TO DATE)
             248 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            3891 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:240041

REFERENCE   2:  144:240015

REFERENCE   3:  144:240014

REFERENCE   4:  144:239833

REFERENCE   5:  144:228884

REFERENCE   6:  144:219035

REFERENCE   7:  144:209424

REFERENCE   8:  144:205774

REFERENCE   9:  144:205676

REFERENCE  10:  144:205395

L137 ANSWER 24 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   9041-92-3  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Trypsin inhibitor, α1- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   α1-Antiprotease
CN   α1-Antiproteinase
CN   α1-Antitrypsin
CN   α1-Antitrypsin Pittsburgh mutant
CN   α1-Antitrypsin Portland
CN   α1-AT
CN   α1-Protease inhibitor
CN   α1-Proteinase inhibitor
CN   α1-Trypsin inhibitor
CN   Antitrypsin Pittsburgh
CN   Aralast
CN   Prolastin
CN   Respitin
CN   Serpin A 1
CN   Zemaira
DR   9082-50-2, 124542-00-3
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MF   Unspecified
CI   COM, MAN
LC   STN Files:   ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,
       CA, CAPLUS, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES,
       DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSRESEARCH, IPA,
       MRCK*, NIOSHTIC, PHAR, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**
         (**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

              5777 REFERENCES IN FILE CA (1907 TO DATE)
               316 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
              5791 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:240015

REFERENCE   2:  144:239931

REFERENCE   3:  144:231095

REFERENCE   4:  144:227485

REFERENCE   5:  144:227331

REFERENCE   6:  144:225236

REFERENCE   7:  144:211035

REFERENCE   8:  144:210021

REFERENCE   9:  144:209537

REFERENCE  10:  144:207944

L137 ANSWER 25 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   9032-92-2  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Glycosidase (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Citolase M-102
CN   Diglycosidase
CN   Fecalase
CN   Glycohydrolase
CN   Glycolipid hydrolase
CN   Glycoside hydrolase
CN   Glycosylase
CN   N-Glycosidase
CN   O-Glycosidase
DR   9037-58-5
MF   Unspecified
CI   MAN
LC   STN Files:   AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT,
       CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, EMBASE, IFICDB, IFIPAT, IFIUDB,
       PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL
     Other Sources:   EINECS**
         (**Enter CHEMLIST File for up-to-date regulatory information)
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*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
           1931 REFERENCES IN FILE CA (1907 TO DATE)
             24 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
           1942 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:228883

REFERENCE   2:  144:207843

REFERENCE   3:  144:206759

REFERENCE   4:  144:204921

REFERENCE   5:  144:190814

REFERENCE   6:  144:186885

REFERENCE   7:  144:165875

REFERENCE   8:  144:165112

REFERENCE   9:  144:150199

REFERENCE  10:  144:149534

L137 ANSWER 26 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   9001-92-7  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Proteinase (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   α-N-Benzoyl-DL-arginine-p-nitroanilide hydrolase
CN   537 Acidic protease
CN   Actinase
CN   AKase IK
CN   Alcalase 2.5LDX
CN   Alkalase 2.4L FG
CN   Alkalase 2.5L Type DX
CN   Alkalase 2.5L type X
CN   Alkaline protease-L FG
CN   ALP 901
CN   Alphamalt BK 5020
CN   Alphamalt LQ 4020
CN   AO protease
CN   APL 901
CN   Aquatinase E
CN   Arginine esterase
CN   AS 1.398
CN   AS 10
CN   Azocaseinase
CN   BAPAase
CN   BAPNAase
CN   Benzoyl arginine arylamidase
CN   Benzoyl-DL-arginine-p-nitroanilide hydrolase
CN   Bioprase 30L
CN   Bioprase SP 4FG
CN   Bioprase SP-16FG
CN   Bioprotease A
CN   Bioprotease N 100P
CN   Biopurase
CN   Biosoft PW
CN   Carbonyl hydrolase
CN   Casein endopeptidase
CN   Caseinase
CN   CL-5PG
CN   Cleanase AP 100-PWC
CN   Corolase 7089
CN   Corolase L 10
CN   DA 10
CN   DA 10 (enzyme)
CN   Denapsin 10P
CN   Denatyme AP
CN   Denazyme
CN   Deozyme
CN   Deterzyme L-600
CN   Durazyme 16.0L
CN   Endopeptidase
CN   Endopeptidase O
CN   Endoprotease
CN   Endoproteinase
CN   Enzeco fungal acid protease
CN   Esteroproteinase
CN   Fungal protease 500,000
CN   Fungal protease concentrate
CN   Fungal Protease P 31000
CN   Genencor Protease 899
CN   GHPO 525 protease
CN   GPR protease
CN   GRINDAMYL Protease 41
CN   Growth-related proteinase
CN   HAP Alkaline protease
CN   Isofloridoside phosphate synthase-activating proteinase
CN   Milk-clotting acid proteinase
CN   Neutral proteinase 1398
CN   Orbaprotease P
CN   Pathogenesis-related proteinase P 69
CN   Protease
CN   Protease A "Amano"
CN   Protease A Amano G
CN   Protease M Amano G
CN   Protease MG
CN   Protease NP
CN   Protease P3
CN   Protease S Amano
CN   Protease S Amano G
CN   Protease YP-SS
CN   Protease Z
CN   Protein p20 proteinase
CN   Proteinase DS
CN   Proteinase SP 446
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
     DISPLAY
DR   9001-93-8, 9012-23-1, 9040-76-0, 125498-72-8, 125752-86-5, 123779-18-0,
     124041-97-0, 120038-39-3, 120038-40-6, 105913-13-1, 118901-82-9,
     144906-30-9, 143404-30-2, 143404-41-5, 80804-52-0, 116267-38-0,
     117278-03-2, 117698-27-8, 118390-80-0, 609346-52-3
MF   Unspecified
CI   COM, MAN
LC   STN Files:  ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS,
       CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB,
       DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS,
       NAPRALERT, NIOSHTIC, PIRA, PLASPEC*, PROMT, RTECS*, TOXCENTER, TULSA,
       USPAT2, USPATFULL, VTB
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

           43069 REFERENCES IN FILE CA (1907 TO DATE)
             517 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
           43148 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:240023

REFERENCE   2:  144:240014

REFERENCE   3:  144:239831

REFERENCE   4:  144:239226

REFERENCE   5:  144:235020

REFERENCE   6:  144:235017

REFERENCE   7:  144:234499

REFERENCE   8:  144:233072

REFERENCE   9:  144:232093

REFERENCE  10:  144:232059

L137 ANSWER 27 OF 27  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   9001-12-1  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Collagenase (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Aspergillopeptidase C
CN   Azocollase
CN   Clostridiopeptidase A
CN   Clostridiopeptidase I
CN   Clostridiopeptidase II
CN   Clostridium histolyticum collagenase
CN   Collagen peptidase
CN   Collagen protease
CN   Collagenase A
CN   Collagenase MMP-1
CN   E.C. 3.4.24.3
CN   E.C. 3.4.24.34
CN   E.C. 3.4.24.7
CN   E.C. 3.4.4.19
CN   E.C. 3.4.99.5
CN   Euphaulysin
CN   FPM-MP
CN   Interstitial collagenase
CN   Iruxol
CN   Kollaza
CN    Liberase
CN    Liberase Blendzyme IV
CN    Liberase PI
CN    Matrix metalloprotease MMP-ABT
CN    Matrix metalloprotease-1
CN    Matrix metalloproteinase-1
CN    Matrix metalloproteinase-18
CN    Matrix metalloproteinase-8
CN    Metallocollagenase
CN    Metalloproteinase-1
CN    MMP-1
CN    MMP-8
CN    Morikraz
CN    Nucleolysin
CN    Peptidase, clostridio-, A
CN    Proteinase, Clostridium histolyticum, A
CN    Santyl
CN    Soycollagestin
DR    37288-86-1, 39433-96-0
MF    Unspecified
CI    COM, MAN
LC    STN Files:   ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CABA,
        CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES,
        DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS, PHAR, PIRA,
        PROMT, TOXCENTER, USPAT2, USPATFULL
          (*File contains numerically searchable property data)
      Other Sources:   EINECS**, TSCA**
          (**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

            9619 REFERENCES IN FILE CA (1907 TO DATE)
              82 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            9651 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1:  144:239247

REFERENCE   2:  144:238557

REFERENCE   3:  144:231848

REFERENCE   4:  144:230700

REFERENCE   5:  144:230636

REFERENCE   6:  144:230046

REFERENCE   7:  144:229792

REFERENCE   8:  144:225825

REFERENCE   9:  144:225676

REFERENCE  10:  144:219111


=> d his
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     (FILE 'HOME' ENTERED AT 12:15:35 ON 23 MAR 2006)
                SET COST OFF

     FILE 'HCAPLUS' ENTERED AT 12:15:44 ON 23 MAR 2006
L1            1 S US20050112150/PN OR US2003-677865/AP,PRN
                E SERRE G/AU
L2           63 S E3,E5,E6
                E SIMON M/AU
L3          993 S E3-E29
                E SIMON MICHEL/AU
L4          108 S E3-E6
                E WEBER V/AU
L5           18 S E3,E18
                E WEBER M/AU
L6         1341 S E3-E22
                E WEBER MARINA/AU
                E VIVAT/AU
L7            3 S E8
L8          460 S (ENDOPROTEINASE OR ENDOPROTEASE OR ENDO()(PROTEINASE OR PROTE
L9          281 S (ENDOPROTEINASE OR ENDOPROTEASE OR ENDO()(PROTEINASE OR PROTE
L10       34500 S THROMBIN
L11       20198 S PEPSIN
L12           0 S (MYXOBACTER OR MYXO BACTER)()(AL117 OR AL 117)
L13           0 S (MYXOBACTER OR MYXO BACTER)(L)(AL117 OR AL 117)
L14           0 S (MYXOBACTER? OR MYXO BACTER?)()(AL117 OR AL 117)
L15           0 S (MYXOBACTER? OR MYXO BACTER?)(L)(AL117 OR AL 117)
L16         730 S MYXOBACTER? OR MYXO BACTER?
L17           0 S L16 AND AL117
L18           0 S L16 AND AL 117
L19           1 S ELACTASE
L20           8 S (PRO OR PROLYL OR PROLINE)()(ENDOPROTEINASE OR ENDOPROTEASE O
L21        8402 S GLYCOSIDASE
L22       17694 S GLUCOSIDASE
L23           8 S L1-L7 AND L8-L22
                SEL RN 3

     FILE 'REGISTRY' ENTERED AT 12:30:26 ON 23 MAR 2006
L24           4 S E1-E4
L25           1 S L24 AND GLYCOSIDASE
L26        1065 S GLYCOSIDASE

     FILE 'HCAPLUS' ENTERED AT 12:32:02 ON 23 MAR 2006
L27        1942 S L25
L28       15971 S L26
L29        5540 S DIGLYCOSIDASE OR CITOLASE OR FECALASE OR GLYCOHYDROLASE OR GL
L30       23931 S L21,L27-L29

     FILE 'REGISTRY' ENTERED AT 12:32:19 ON 23 MAR 2006
                E PROTEASE/CN
L31           1 S E3
                E ENDOPROTEINASE/CN
                E ENDOPROTEINASE LYS/CN
L32           1 S E4
                E ENDOPROTEINASE GLU/CN
L33           1 S E5
                E THROMBIN/CN
L34           1 S E3
                E PEPSIN/CN
L35           1 S E3
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L36           1 S E11
L37           2 S E42,E43
L38           1 S E59
L39           2 S E67,E69
L40           2 S E9,E10
                E ELACTASE/CN
                E MYXOBACTER/CN
L41           3 S E4-E8
                E PROTEINASE, MYXOBACTER/CN
L42           3 S E4-E6
                E PROTEINASE, PRO/CN
                E PROTEINASE, PROLINE/CN
L43           1 S E4
L44          14 S L31-L43
                E ELACTASE

     FILE 'HCAPLUS' ENTERED AT 12:36:26 ON 23 MAR 2006
L45       70371 S L44
L46          42 S L16(S)(?PROTEINASE? OR ?PROTEASE?)
L47       97419 S L8-L11,L19,L20,L45,L46
L48           8 S L1-L7 AND L47
L49           9 S L48,L23
L50           1 S L49 AND (LOREAL? OR OREAL? OR L OREAL?)/PA,CS
L51           1 S L49 AND L30
L52           1 S L51,L50
L53        1215 S L30 AND L47
L54        1969 S L30 AND (?PROTEASE? OR ?PROTEINASE?)
L55        2131 S L53,L54

     FILE 'REGISTRY' ENTERED AT 12:39:19 ON 23 MAR 2006
L56       31108 S (?PROTEASE? OR ?PROTEINASE?)/CNS

     FILE 'HCAPLUS' ENTERED AT 12:39:34 ON 23 MAR 2006
L57        2067 S L56 AND L30
L58        2679 S L55,L57
                E DESQUAMATION/CT
                E DESQUAMATION
                E DESQUAM
L59        1574 S E1-E34
L60           3 S L58 AND L59
L61           2 S L60 NOT 1996:56330/AN
L62           3 S L52,L61
                E SKIN/CT
L63      111905 S E3-E97 OR E3+OLD,NT
L64          19 S E126+OLD,NT
L65        9238 S E144-E146 OR E144+OLD,NT
L66        9458 S E160-E161
                E E3+ALL
L67       27022 S E33+OLD,NT OR E34+OLD,NT OR E38+OLD,NT OR E39+OLD,NT
                E E6
                E E108+ALL
L68        5581 S E7+NT
                E SKIN PREPRATIONS/CT
                E SKIN, PREPRATIONS/CT
                E SKIN PREPRATION/CT
                E BACK E1
L69        1348 S E4
                E SKIN, DISEASE/CT
L70       33969 S E3-E100
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     FILE 'HCAPLUS' ENTERED AT 13:40:25 ON 23 MAR 2006
L71         9996 S E101-E122
L72         2780 S E123
                 E E3+ALL
L73        81975 S E5+OLD,NT
L74          687 S E179+OLD,NT
L75         7244 S L47,L56 AND L63-L74
L76         4689 S (?PROTEINASE? OR ?PROTEASE?) AND L63-L74
L77         8083 S L75,L76
L78         3068 S L77 AND (COSMETIC? OR PHARMACEUT? OR PHARMACOL?)/SC,SX
                 E COSMETIC/CT
L79        51954 S E32-E90
                 E E32+ALL
L80        76135 S E1+OLD,NT
L81        34273 S E24+OLD,NT OR E25+OLD,NT OR E27+OLD,NT OR E31+OLD,NT OR E32+O
L82         1577 S L47,L56 AND L79-L81
L83         1076 S (?PROTEINASE? OR ?PROTEASE?) AND L79-L81
L84         9231 S L77,L78,L82,L83
L85         4037 S L84 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)
L86           56 S L85 AND L58
L87            5 S L84 AND L1-L7
L88           66 S L84 AND (LOREAL? OR L OREAL? OR OREAL?)/PA,CS
L89           20 S L85 AND L87,L88
                 E XEROSIS/CT
L90            2 S E3,E4
                 E XEROSIS
L91          484 S E3
                 E HYPERKERATOSIS/CT
                 E E3+ALL
L92          268 S E2
L93            5 S E1
L94         1024 S E1/BI
                 E KERATOSIS/CT
L95         1334 S E3-E13
L96         2336 S E3+OLD,NT
L97           38 S L77 AND L90-L96 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)
L98            2 S L89 AND L97
L99           20 S L89,L98
                 SEL AN 2-4
L100           3 S E1-E6 AND L99
L101          36 S L97 NOT L99
                 E WOULND/CT
L102       17842 S E4-E21 OR E4+OLD,NT OR E10+OLD,NT OR E13+OLD,NT
L103        1725 S L47,L56 AND L102
L104        1142 S (?PROTEINASE? OR ?PROTEASE?) AND L102
L105         760 S L103,L104 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)
L106           4 S L105 AND L30
                 SEL AN 1 2
L107           2 S E1-E4 AND L106
                 E CORNEODESMOSIN
L108          94 S E3-E10
L109           1 S E11,E12
L110         157 S E26-E31,E33,E34,E35,E36
L111           4 S L47,L56 AND L110
L112           6 S  (?PROTEINASE? OR ?PROTEASE?) AND L110
L113           3 S L111,L112 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)
                 E DESMOSOM
L114        1745 S E2,E4-E10
L115        1073 S L114 AND (PY<=1998 OR PRY<=1998 OR AY<=1998)
L116          34 S L115 AND L47,L56
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L117          27 S L115 AND (?PROTEINASE? OR ?PROTEASE?)
L118           2 S L116,L117 AND L30
L119           7 S L62,L100,L107,L118
L120           7 S L119 AND L1-L23,L27-L30,L45-L55,L57-L119
L121           5 S L120 AND (?PROTEIN OR ?PROTEINS OR ?PEPTIDE OR ?PEPTIDES OR D
L122           7 S L120,L121
                 SEL HIT RN

     FILE 'REGISTRY' ENTERED AT 14:08:38 ON 23 MAR 2006
L123          24 S E1-E24
L124           3 S L123 AND L24-L26
L125           1 S L123 AND L44
L126          22 S L123 AND L56
L127          24 S L124-L126
L128           2 S L24 NOT L127
                 E CORNEODESMOSIN
L129          21 S E3,E4

     FILE 'HCAPLUS' ENTERED AT 14:11:00 ON 23 MAR 2006
L130          12 S L129
L131           2 S L130 AND  (PY<=1998 OR PRY<=1998 OR AY<=1998)
L132           2 S L131 AND L1-L23,L27-L30,L45-L55,L57-L122,L130,L131
L133           8 S L122,L132

     FILE 'REGISTRY' ENTERED AT 14:12:23 ON 23 MAR 2006

     FILE 'HCAPLUS' ENTERED AT 14:12:44 ON 23 MAR 2006
L134             TRA L131 1- RN :        5 TERMS

     FILE 'REGISTRY' ENTERED AT 14:12:44 ON 23 MAR 2006
L135           5 SEA L134
L136           3 S L135 AND L129
L137          27 S L127,L136

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L133 ANSWER 1 OF 8  HCAPLUS  COPYRIGHT 2006 ACS on STN
AN   2002:368285  HCAPLUS
DN   136:374549
TI   Cosmetic compositions comprising at least a glycosidase without
     any protease
IN   Mehul, Bruno; Bernard, Dominique
PA   L'Oreal S.A, Fr.
SO   PCT Int. Appl., 34 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
PI   WO 2002038122        A2    20020516    WO 2001-FR3551         20011113
     WO 2002038122        A3    20020808
         W:  CA, JP, US
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, TR
     FR 2816504           A1    20020517    FR 2000-14556          20001113
     FR 2816504           B1    20030418
     EP 1333804           A2    20030813    EP 2001-993454         20011113
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI, CY, TR
     JP 2004520274        T2    20040708    JP 2002-540712         20011113
     US 2004115187        A1    20040617    US 2003-436159         20030513
PRAI FR 2000-14556        A     20001113
     WO 2001-FR3551       W     20011113
AB   The invention concerns compns., comprising as active principle at least a
     glycosidase promoting scaling and not comprising protease
     . The invention also concerns the use of said compns. for treating dry
     skins or for preventing or treating skin ageing.  Efficacy of the
     glycosidase in desquamation of corneocytes is shown in
     vitro.  A lotion contained β- glucosidase 0.5, 2-Et hexyl
     palmitate 10.0, cyclopentadimethylsiloxane 20.0, butylene glycol 5.0,
     preservatives q.s., and water q.s. 100 g.
IC   ICM  A61K0007-48
CC   62-4 (Essential Oils and Cosmetics)
     Section cross-reference(s): 1
ST   antiaging cosmetic lotion glycosidase
IT   Cosmetics
        (antiaging; cosmetic compns. comprising at least
        glycosidase without any protease)
IT   Skin
        (keratinocyte; cosmetic compns. comprising at least
        glycosidase without any protease)
IT   Skin
        (stratum corneum; cosmetic compns. comprising at
        least glycosidase without any protease)
IT   9001-22-3, β Glucosidase   9012-54-8, Cellulase
     9027-56-9, N-Acetyl glucosaminidase   9031-11-2, β Galactosidase
     9032-92-2, Glycosidase   9054-43-7, N-Acetyl
     galactosaminidase 83534-39-8, N-Glycanase
     RL: COS (Cosmetic use); PAC (Pharmacological activity); BIOL (Biological
     study); USES (Uses)
        (cosmetic compns. comprising at least glycosidase without any
        protease)
IT   9032-92-2, Glycosidase 83534-39-8, N-Glycanase
     RL: COS (Cosmetic use); PAC (Pharmacological activity); BIOL (Biological
     study); USES (Uses)
        (cosmetic compns. comprising at least glycosidase without any
        protease)
RN   9032-92-2  HCAPLUS
CN   Glycosidase (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   83534-39-8  HCAPLUS
CN   Amidase, peptide-N4-(N-acetyl-β-glucosaminyl)asparagine (9CI)  (CA
     INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L133 ANSWER 2 OF 8  HCAPLUS  COPYRIGHT 2006 ACS on STN
AN   1999:736441  HCAPLUS
DN   131:341747
TI   Use of metalloproteinase inhibitors for inducing and/or
     stimulating growth of hairs and/or for slowing down their loss
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Applicant

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IN   Jarrousse, Francoise; Mahe, Yann
PA   L'oreal, Fr.
SO   PCT Int. Appl., 22 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND   DATE       APPLICATION NO.        DATE
     ---------------     ----   --------   --------------------   --------
PI   WO 9958101           A1    19991118   WO 1999-FR1124         19990511 <--
         W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
             DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
             JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
             MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
             TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
             MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
             ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
             CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     FR 2778558           A1    19991119   FR 1998-5968           19980512 <--
     FR 2778558           B1    20010216
     CA 2330807           AA    19991118   CA 1999-2330807        19990511 <--
     AU 9936112           A1    19991129   AU 1999-36112          19990511 <--
     EP 1076549           A1    20010221   EP 1999-918052         19990511 <--
     EP 1076549           B1    20040915
         R:  AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE
     JP 2002514581        T2    20020521   JP 2000-547953         19990511 <--
     AT 275919            E     20041015   AT 1999-918052         19990511 <--
     ES 2229701           T3    20050416   ES 1999-918052         19990511 <--
     US 6645477           B1    20031111   US 2001-700195         20010220 <--
     US 2004071647        A1    20040415   US 2003-677284         20031003 <--
PRAI FR 1998-5968         A     19980512  <--
     WO 1999-FR1124       W     19990511
     US 2001-700195       A1    20010220
AB   The use in/for the preparation of a composition, as active principle in a
physiol.
     acceptable medium, an efficient amount of at least a
     metalloproteinase inhibitor or any functional biol. equivalent, for
     inducing and/or stimulating growth of hair or hairs and for slowing down
     their loss is disclosed.  The invention also concerns a method for the
     cosmetic treatment of hair or hairs.  A lotion contained tissue inhibitors
     of metalloproteinase-1 0.01, tissue inhibitors of
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metalloproteinase-2 0.01, 2,4-diaminopyrimidine-3-oxide 0.75, ethanol 30, perfumes q.s., dyes q.s., and water q.s. 100 g.

IC ICM A61K0007-06

CC 62-3 (Essential Oils and Cosmetics)

ST **metalloproteinase** inhibitor hair growth stimulant; hair loss lotion **metalloproteinase** inhibitor

IT Hydroxamic acids
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(derivs.; use of **metalloproteinase** inhibitors for inducing and/or stimulating growth of hairs and/or for slowing down their loss)

IT **Hair preparations**
(gels; use of **metalloproteinase** inhibitors for inducing and/or stimulating growth of hairs and/or for slowing down their loss)

IT **Hair preparations**
(growth stimulants; use of **metalloproteinase** inhibitors for inducing and/or stimulating growth of hairs and/or for slowing down their loss)

IT **Hair preparations**
(lotions; use of **metalloproteinase** inhibitors for inducing and/or stimulating growth of hairs and/or for slowing down their loss)

IT Gene, animal
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(oncogene; use of **metalloproteinase** inhibitors for inducing and/or stimulating growth of hairs and/or for slowing down their loss)

IT Cytokines
Growth factors, animal
Peptides, biological studies
Thiols (organic), biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(use of **metalloproteinase** inhibitors for inducing and/or stimulating growth of hairs and/or for slowing down their loss)

IT **81669-70-7, Metalloproteinase**
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(inhibitors; use of **metalloproteinase** inhibitors for inducing and/or stimulating growth of hairs and/or for slowing down their loss)

IT **124861-55-8 140208-24-8**, Tissue inhibitor of **metalloproteinase** 1 **145809-21-8**, Tissue inhibitor of **metalloproteinase** 3 **186207-03-4**, Tissue inhibitor of **metalloproteinase** 4
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(use of **metalloproteinase** inhibitors for inducing and/or stimulating growth of hairs and/or for slowing down their loss)

IT **81669-70-7, Metalloproteinase**
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(inhibitors; use of **metalloproteinase** inhibitors for inducing and/or stimulating growth of hairs and/or for slowing down their loss)

RN 81669-70-7 HCAPLUS

CN Proteinase, metallo- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT **124861-55-8 140208-24-8**, Tissue inhibitor of **metalloproteinase** 1 **145809-21-8**, Tissue inhibitor of **metalloproteinase** 3 **186207-03-4**, Tissue inhibitor of **metalloproteinase** 4

```
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
        (use of metalloproteinase inhibitors for inducing and/or
        stimulating growth of hairs and/or for slowing down their loss)
RN   124861-55-8  HCAPLUS
CN   Proteinase inhibitor, TIMP 2 (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   140208-24-8  HCAPLUS
CN   Proteinase inhibitor, TIMP 1 (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   145809-21-8  HCAPLUS
CN   Proteinase inhibitor, TIMP 3 (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   186207-03-4  HCAPLUS
CN   Proteinase inhibitor, TIMP 4 (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RETABLE
   Referenced Author    |Year | VOL | PG   | Referenced Work    | Referenced
        (RAU)           |(RPY)|(RVL)|(RPG) |      (RWK)         | File
======================+=====+=====+======+====================+===========
Connective Therapeutics|1996 |     |      |WO 9640185 A        |HCAPLUS
Kanebo Ltd             |1999 |     |      |JP 11-029441 A      |HCAPLUS
Kyowa Hakko K Co Ltd   |1997 |     |      |EP 0797978 A        |HCAPLUS
Mathews, R             |1989 |     |      |US 4814351 A        |HCAPLUS
Merck & Co Inc         |1991 |     |      |EP 0455422 A        |HCAPLUS
Mizumaki, K            |1991 |     |      |JP 03-074318 A      |HCAPLUS
Ogawa, H               |1993 |     |      |JP 05-279230 A      |HCAPLUS
Oncogene Science Inc   |1994 |     |      |WO 9406459 A        |HCAPLUS
Rohto Pharmaceutical Co|1998 |     |      |UK 2321852 A        |
Roussel-Uclaf          |1991 |     |      |EP 0414605 A        |HCAPLUS
Sansei Seiyaku, K      |1993 |     |      |JP 05-043424 A      |HCAPLUS
Unilever PLC           |1989 |     |      |EP 0335554 A        |HCAPLUS
University of Miami    |1993 |     |      |WO 9300079 A        |HCAPLUS

L133 ANSWER 3 OF 8  HCAPLUS  COPYRIGHT 2006 ACS on STN
AN   1999:156403  HCAPLUS
DN   130:206690
TI   Cathepsin L isolated from mammalian epidermis and its use in cosmetic and
     pharmaceutical compositions
IN   Bernard, Dominique; Kermici, Michel; Bernard-Bourboulon, Marie-Alix
PA   L'Oreal, Fr.
SO   Eur. Pat. Appl., 16 pp.
     CODEN: EPXXDW
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.       DATE
     ---------------     ----   --------    --------------------  --------
PI   ~~EP 899330~~          A1     19990303    EP 1998-402037        19980811 <--
     EP 899330           B1     20040519
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     FR 2767833          A1     19990305    FR 1997-10818         19970829 <--
     FR 2767833          B1     20010302
     AT 267249           E      20040615    AT 1998-402037        19980811 <--
     ES 2221133          T3     20041216    ES 1998-402037        19980811 <--
     CA 2243633          AA     19990228   CA 1998-2243633        19980828 <--
     JP 11139933         A2     19990525   JP 1998-244055         19980828 <--
     US 6274364          B1     20010814   US 1998-143446         19980828 <--
     US 2002006654       A1     20020117   US 2001-884953         20010621 <--
     US 6737055          B2     20040518
PRAI FR 1997-10818       A      19970829  <--
     US 1998-143446      A3     19980828  <--
AB   A cathepsin L isolated from mammalian skin, said protease
     modulating intercorneocyte association, is disclosed.  The cathepsin L may be
     used in cosmetic compns. for desquamation or in pharmaceutical
     compns. for treatment of desquamation disorders, such as
     hyperkeratosis and psoriasis.  Thus, a cathepsin L was isolated
     from human skin.  It has a mol. weight between 15-32 kilodaltons and a pI of
     6-9.  It degrades corneodesmosine.
IC   ICM  C12N0009-64
     ICS  A61K0038-48; C07K0014-435; A61K0007-48
CC   7-2 (Enzymes)
     Section cross-reference(s): 1, 62
IT   Cosmetics
       Psoriasis
        (cathepsin L isolated from mammalian epidermis and its use in cosmetic
        and pharmaceutical compns.)
IT   Proteins, specific or class
     RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
     (Biological study); PROC (Process)
        (corneodesmosines, digestion of; cathepsin L isolated from
        mammalian epidermis and its use in cosmetic and pharmaceutical compns.)
IT   Cell junction
        (desmosome, corneo-, digestion of structural proteins
        of; cathepsin L isolated from mammalian epidermis and its use in
        cosmetic and pharmaceutical compns.)
IT   Skin
        (desquamation of; cathepsin L isolated from mammalian
        epidermis and its use in cosmetic and pharmaceutical compns.)
IT   Skin
        (epidermis; cathepsin L isolated from mammalian
        epidermis and its use in cosmetic and pharmaceutical compns.)
IT   Keratosis
        (hyperkeratosis; cathepsin L isolated from mammalian
        epidermis and its use in cosmetic and pharmaceutical compns.)
IT   Skin, disease
        (ichthyosis; cathepsin L isolated from mammalian
        epidermis and its use in cosmetic and pharmaceutical compns.)
IT   Skin, neoplasm
       Skin, neoplasm
        (inhibitors; cathepsin L isolated from mammalian epidermis
        and its use in cosmetic and pharmaceutical compns.)
IT   Skin
        (keratinocyte, self-association of; cathepsin L isolated from
        mammalian epidermis and its use in cosmetic and
        pharmaceutical compns.)
IT   Skin, disease
        (leukokeratosis; cathepsin L isolated from mammalian epidermis
        and its use in cosmetic and pharmaceutical compns.)
IT   Skin, disease
        (xerosis; cathepsin L isolated from mammalian
        epidermis and its use in cosmetic and pharmaceutical compns.)
IT   60616-82-2P, Cathepsin L
     RL: PUR (Purification or recovery); THU (Therapeutic use); BIOL
     (Biological study); PREP (Preparation); USES (Uses)
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        (cathepsin L isolated from mammalian epidermis and its use in cosmetic
        and pharmaceutical compns.)
IT   60616-82-2P, Cathepsin L
     RL: PUR (Purification or recovery); THU (Therapeutic use); BIOL
     (Biological study); PREP (Preparation); USES (Uses)
        (cathepsin L isolated from mammalian epidermis and its use in cosmetic
        and pharmaceutical compns.)
RN   60616-82-2  HCAPLUS
CN   Cathepsin L (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RETABLE
   Referenced Author    |Year | VOL | PG   | Referenced Work     | Referenced
        (RAU)           |(RPY)|(RVL)|(RPG) |      (RWK)          | File
========================+=====+=====+======+=====================+===========
Gal, S                  |1998 |     |      |US 5710014 A         |HCAPLUS
Gal, S                  |1988 |253  |303   |The Biochemical Jour|HCAPLUS
Hoechst Ag              |1997 |     |      |DE 19619366 A        |HCAPLUS
Kawada, A               |1997 |289  |87    |Archives of Dematolo|HCAPLUS
Unilever Plc            |1995 |     |      |WO 9507686 A         |HCAPLUS
Zeneca Ltd              |1997 |     |      |GB 2306961 A         |HCAPLUS

L133 ANSWER 4 OF 8  HCAPLUS  COPYRIGHT 2006 ACS on STN
AN   1998:684956  HCAPLUS
DN   129:287149
TI   Corneodesmosine from human stratum corneum epidermidis and
     pharmaceutical and cosmetic uses thereof
IN   Serre, Guy Bruno Rene; Simon, Michel;
     Weber-Vivat, Marina
PA   L'Oreal, Fr.
SO   PCT Int. Appl., 44 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.      DATE
     ---------------     ----   --------    --------------------  --------
PI   WO 9844105           A1    19981008    WO 1998-FR636         19980327 <--
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
             US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
             FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
             GA, GN, ML, MR, NE, SN, TD, TG
     FR 2761362           A1    19981002    FR 1997-3899          19970328 <--
     FR 2761362           B1    19990521
     FR 2761363           A1    19981002    FR 1997-11317         19970911 <--
     FR 2761363           B1    19991126
     AU 9873379           A1    19981022    AU 1998-73379         19980327 <--
     EP 972042            A1    20000119    EP 1998-920561        19980327 <--
         R:  DE, ES, FR, GB, IT
     JP 2001511019        T2    20010807    JP 1998-541244        19980327 <--
     US 6645509           B1    20031111    US 1999-381656        19991229 <--
     US 2005112150        A1    20050526    US 2003-677865        20031003 <--
     JP 2004256552        A2    20040916    JP 2004-141781        20040512 <--
PRAI FR 1997-3899         A     19970328  <--
     FR 1997-11317        A     19970911  <--
     JP 1998-541244       A3    19980327  <--
     WO 1998-FR636        W      19980327  <--
     US 1999-381656       A3     19991229
AB   The invention concerns a cosmetic or pharmaceutical composition containing a
     protein found in the horny layer of the human epidermis,
     corneodesmosine.  Thus, a basic, phosphorylated, 50-60-kilodalton
     glycoprotein was isolated from human epidermis stratum corneum and
     the cDNA for this corneodesmosine was cloned,
     sequenced, and expressed in COS-7 cells.  The cDNA
     sequence was 99% identical to that of gene S of GenBank L20815.
     The corneodesmosine cDNA contained a T to A change at
     position 66 causing a substitution of Met for Leu, a silent mutation A to
     G at position 1118, a T to G change at 1236 leading to a Ser to Ala
     change, and a G insertion at position 1514 leading to a change in reading
     phase and addition of 27 amino acids to the C-terminus.
IC   ICM  C12N0015-12
     ICS  C07K0014-47; A61K0038-17; C07K0016-18
CC   6-3 (General Biochemistry)
     Section cross-reference(s): 1, 3, 62
ST   sequence human epidermis corneodesmosine cDNA
IT   Antiserums
        (anti-corneodesmosine, purification of; corneodesmosine
        from human stratum corneum epidermidis and pharmaceutical and cosmetic
        uses thereof)
IT   Keratosis
       Psoriasis
       Wound healing
        (corneodesmosine from human stratum corneum epidermidis and
        pharmaceutical and cosmetic uses thereof)
IT   Glycoproteins, specific or class
     RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP
     (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU
     (Occurrence); USES (Uses)
        (corneodesmosine; corneodesmosine from human
        stratum corneum epidermidis and pharmaceutical and cosmetic uses
        thereof)
IT   Skin
        (epidermis, thickening or thinning of, treatment of;
        corneodesmosine from human stratum corneum
        epidermidis and pharmaceutical and cosmetic uses thereof)
IT   cDNA sequences
        (for corneodesmosine from human stratum corneum epidermidis)
IT   Keratosis
        (hyperkeratosis; corneodesmosine from human stratum
        corneum epidermidis and pharmaceutical and cosmetic uses thereof)
IT   Skin, disease
        (ichthyosis; corneodesmosine from human
        stratum corneum epidermidis and pharmaceutical and
        cosmetic uses thereof)
IT   Keratosis
        (leuko-; corneodesmosine from human stratum corneum
        epidermidis and pharmaceutical and cosmetic uses thereof)
IT   Antibodies
     RL: PUR (Purification or recovery); PREP (Preparation)
        (monoclonal, anti-corneodesmosine, purification of;
        corneodesmosine from human stratum corneum epidermidis and
        pharmaceutical and cosmetic uses thereof)
IT   Protein sequences
        (of corneodesmosine from human stratum corneum epidermidis)
IT   Skin
        (stratum corneum; corneodesmosine from
         human stratum corneum epidermidis and
         pharmaceutical and cosmetic uses thereof)
IT   Proteins, specific or class
     RL: PUR (Purification or recovery); PREP (Preparation)
        (structural, of stratum corneum epidermidis, purification of;
        corneodesmosine from human stratum corneum epidermidis and
        pharmaceutical and cosmetic uses thereof)
IT   Skin, disease
        (xerosis; corneodesmosine from human
        stratum corneum epidermidis and pharmaceutical and
        cosmetic uses thereof)
IT   214204-76-9, Corneodesmosin (human clone 1.1 gene S)
     RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP
     (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU
     (Occurrence); USES (Uses)
        (amino acid sequence; corneodesmosine from human
        stratum corneum epidermidis and pharmaceutical and cosmetic uses
        thereof)
IT   214204-77-0
     RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP
     (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU
     (Occurrence); USES (Uses)
        (nucleotide sequence; corneodesmosine
        from human stratum corneum epidermidis and pharmaceutical and cosmetic
        uses thereof)
IT   9001-92-7P, Protease 9032-92-2P,
     Glycosidase
     RL: PUR (Purification or recovery); PREP (Preparation)
        (of stratum corneum epidermidis, purification of; corneodesmosine
        from human stratum corneum epidermidis and pharmaceutical and cosmetic
        uses thereof)
IT   214204-76-9, Corneodesmosin (human clone 1.1 gene S)
     RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP
     (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU
     (Occurrence); USES (Uses)
        (amino acid sequence; corneodesmosine from human
        stratum corneum epidermidis and pharmaceutical and cosmetic uses
        thereof)
RN   214204-76-9  HCAPLUS
CN   Corneodesmosin (human clone 1.1 gene S) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT   214204-77-0
     RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP
     (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU
     (Occurrence); USES (Uses)
        (nucleotide sequence; corneodesmosine
        from human stratum corneum epidermidis and pharmaceutical and cosmetic
        uses thereof)
RN   214204-77-0  HCAPLUS
CN   DNA (human stratum corneum epidermidis corneodesmosine cDNA) (9CI)  (CA
     INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT   9001-92-7P, Protease 9032-92-2P,
     Glycosidase
     RL: PUR (Purification or recovery); PREP (Preparation)
        (of stratum corneum epidermidis, purification of; corneodesmosine
        from human stratum corneum epidermidis and pharmaceutical and cosmetic
        uses thereof)
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RN 9001-92-7 HCAPLUS
CN Proteinase (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 9032-92-2 HCAPLUS
CN Glycosidase (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RETABLE

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   Referenced Author    |Year | VOL | PG   | Referenced Work     | Referenced
         (RAU)          |(RPY)|(RVL)|(RPG) |      (RWK)          | File
======================+=====+=====+======+====================+===========
Lundstrom, A            |1994 |286  |369   |ARCHIVES OF DERMATOL|MEDLINE
Serre, G                |1994 |103  |731   |JOURNAL INVEST DERMA|
Simon, M                |1997 |272  |31770 |JOURNAL OF BIOLOGICA|HCAPLUS
Zhou, Y                 |1993 |90   |9470  |PROCEEDINGS OF THE N|HCAPLUS
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L133 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:582677 HCAPLUS
DN 129:286542
TI Expression cloning of human **corneodesmosin** proves its identity with the product of the S gene and allows improved characterization of its processing during keratinocyte differentiation
AU Guerrin, Marina; **Simon, Michel**; Montezin, Martine; Haftek, Marek; Vincent, Christian; **Serre, Guy**
CS Department of Biology and Pathology of the Cell, Toulouse-Purpan School of Medicine, INSERM CJF 96-02, University of Toulouse III (IFR30, INSERM-CNRS-UPS-CHU), Toulouse, 31073, Fr.
SO Journal of Biological Chemistry (**1998**), 273(35), 22640-22647
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
AB In human epidermis and other cornified squamous epithelia, **corneodesmosin** is located in the **desmosomes** of the upper living layers, and in related structures of the cornified layers, the **corneodesmosomes**. During maturation of the cornified layers, the protein undergoes a series of cleavages, thought to be a prerequisite of **desquamation**. Partial amino acid sequencing of **corneodesmosin** fragments suggested that it is related to the product of the S gene, previously identified in the human major histocompatibility complex. We report the expression cloning of **corneodesmosin** cDNA from a human epidermis library screened with monoclonal antibodies. Sequencing demonstrated that **corneodesmosin** is really the product of the S gene. However, anal. of 20 alleles of the gene revealed that its product is 27 amino acids longer than initially reported. Two addnl. polymorphic sites were described, and the position of the unique intron was ascertained. **Corneodesmosin** cDNA expression in COS-7 cells led to secretion of the protein. Precise epitope mapping allowed further characterization of the mol. forms of **corneodesmosin** present in the most superficial cornified layers, where fragments corresponding to the central region of the protein were detected. This indicated a cleavage of the N- and C-terminal domains of **corneodesmosin** before **desquamation** . These serine- and glycine-rich domains are proposed to mediate an adhesive function.
CC 3-2 (Biochemical Genetics)
Section cross-reference(s): 6, 13
ST cloning **corneodesmosin** gene S keratinocyte differentiation;
sequence **corneodesmosin** gene S human

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IT   Gene, animal
     RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological
     study); USES (Uses)
        (S; expression cloning of human corneodesmosin proves its
        identity with the product of the S gene and allows improved
        characterization of its processing during keratinocyte differentiation)
IT   Proteins, specific or class
     RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
     (Biological study)
        (corneodesmosin; expression cloning of human
        corneodesmosin proves its identity with the product of the S
        gene and allows improved characterization of its processing during
        keratinocyte differentiation)
IT   Cell differentiation
     Genetic mapping
     Molecular cloning
     Protein sequences
     cDNA sequences
        (expression cloning of human corneodesmosin proves its
        identity with the product of the S gene and allows improved
        characterization of its processing during keratinocyte differentiation)
IT   Skin
        (keratinocyte; expression cloning of human
        corneodesmosin proves its identity with the product of the S
        gene and allows improved characterization of its processing during
        keratinocyte differentiation)
IT   214204-76-9, Corneodesmosin (human clone 1.1 gene S)
     RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
     (Biological study)
        (amino acid sequence; expression cloning of human
        corneodesmosin proves its identity with the product of the S
        gene and allows improved characterization of its processing during
        keratinocyte differentiation)
IT   204881-29-8, GenBank AF030130
     RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological
     study); USES (Uses)
        (nucleotide sequence; expression cloning of human
        corneodesmosin proves its identity with the product of the S
        gene and allows improved characterization of its processing during
        keratinocyte differentiation)
IT   214204-76-9, Corneodesmosin (human clone 1.1 gene S)
     RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
     (Biological study)
        (amino acid sequence; expression cloning of human
        corneodesmosin proves its identity with the product of the S
        gene and allows improved characterization of its processing during
        keratinocyte differentiation)
RN   214204-76-9  HCAPLUS
CN   Corneodesmosin (human clone 1.1 gene S) (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT   204881-29-8, GenBank AF030130
     RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological
     study); USES (Uses)
        (nucleotide sequence; expression cloning of human
        corneodesmosin proves its identity with the product of the S
        gene and allows improved characterization of its processing during
        keratinocyte differentiation)
RN   204881-29-8  HCAPLUS
CN   DNA (human clone 1.1 gene S corneodesmosin cDNA plus flanks) (9CI)  (CA
     INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RETABLE
   Referenced Author    |Year | VOL | PG   | Referenced Work     | Referenced
        (RAU)           |(RPY)|(RVL)|(RPG) |       (RWK)         | File
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Allen, T                |1975 |51   |94    |J Ultrastruct Res   |MEDLINE
Altschul, A             |1990 |215  |403   |J Mol Biol          |
Brysk, M                |1989 |57   |60    |Exp Cell Biol       |MEDLINE
Chapman, S              |1990 |282  |304   |Arch Dermatol Res   |MEDLINE
Chapman, S              |1991 |283  |167   |Arch Dermatol Res   |HCAPLUS
Egelrud, T              |1989 |69   |470   |Acta Derm Venereol (|MEDLINE
Egelrud, T              |1990 |95   |456   |J Invest Dermatol   |MEDLINE
Egelrud, T              |1993 |101  |200   |J Invest Dermatol   |HCAPLUS
Ghadially, R            |1992 |99   |755   |J Invest Dermatol   |MEDLINE
Ghadially, R            |1996 |107  |558   |J Invest Dermatol   |MEDLINE
Haftek, M               |1991 |39   |1531  |J Histochem Cytochem|HCAPLUS
Hansson, L              |1994 |269  |19420 |J Biol Chem         |HCAPLUS
Holbrook, K             |1994 |     |3     |The Keratinocyte Han|
Ishihara, M             |1996 |48   |182   |Tissue Antigens     |HCAPLUS
King, I                 |1987 |105  |3053  |J Cell Biol         |HCAPLUS
Kozak, M                |1989 |108  |229   |J Cell Biol         |HCAPLUS
Lundstrom, A            |1994 |286  |369   |Arch Dermatol Res   |MEDLINE
Lundstrom, A            |1990 |94   |216   |J Invest Dermatol   |MEDLINE
Mallon, E               |1997 |109  |183   |J Invest Dermatol   |MEDLINE
Menton, D               |1971 |35   |247   |J Ultrastruct Res   |MEDLINE
Montezin, M             |1997 |231  |132   |Exp Cell Res        |HCAPLUS
Nielsen, H              |1997 |10   |1     |Protein Eng         |HCAPLUS
Reichert, U             |1993 |     |107   |Molecular Biology of|HCAPLUS
Roop, D                 |1995 |267  |474   |Science             |HCAPLUS
Schafer, S              |1994 |211  |391   |Exp Cell Res        |MEDLINE
Serre, G                |1991 |97   |1061  |J Invest Dermatol   |HCAPLUS
Simon, M                |1997 |272  |31770 |J Biol Chem         |HCAPLUS
Simon, M                |1994 |     |275   |The Keratinocyte Han|
Skerrow, C              |1989 |92   |667   |J Cell Sci          |
Sommer, S               |1992 |12   |82    |BioTechniques       |HCAPLUS
Steinert, P             |1991 |13   |130   |Int J Biol Macromol |HCAPLUS
Suzuki, Y               |1994 |286  |249   |Arch Dermatol Res   |HCAPLUS
Tiilikainen, A          |1980 |102  |179   |Br J Dermatol       |MEDLINE
Trembath, R             |1997 |6    |813   |Hum Mol Genet       |HCAPLUS
Velten, F               |1998 |51   |183   |Tissue Antigens     |HCAPLUS
Vicanova, J             |1996 |286  |115   |Cell Tissue Res     |MEDLINE
Walsh, A                |1991 |283  |174   |Arch Dermatol Res   |HCAPLUS
Zhou, Y                 |1993 |90   |9470  |Proc Natl Acad Sci U|HCAPLUS

L133 ANSWER 6 OF 8  HCAPLUS  COPYRIGHT 2006 ACS on STN
AN   1995:673991  HCAPLUS
DN   123:78447
TI   Human tissue inhibitor of metalloproteinase type three (TIMP-3),
     its therapeutic uses and cloning of a cDNA encoding it
IN   Silbiger, Scott M.; Koski, Raymond A.
PA   Amgen Inc., USA
SO   Eur. Pat. Appl., 62 pp.
     CODEN: EPXXDW
DT   Patent
LA   English
FAN.CNT 2
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
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PI   EP 648838             A1    19950419   EP 1994-115578         19941004 <--
     EP 648838             B1    20030502
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
     US 6562596            B1    20030513   US 1993-134231         19931006 <--
     WO 9509918            A1    19950413   WO 1994-US11241        19941004 <--
         W:  AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE,
             HU, JP, KP, KR, KZ, LK, LT, LU, LV, MG, MN, MW, NL, NO, NZ, PL,
             PT, RO, RU, SD, SE, SK, UA, UZ, VN
         RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
             BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
     AU 9479281            A1    19950501   AU 1994-79281          19941004 <--
     AT 239079             E     20030515   AT 1994-115578         19941004 <--
     EP 1319669            A2    20030618   EP 2003-5363           19941004 <--
     EP 1319669            A3    20031001
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT
     PT 648838             T     20030829   PT 1994-115578         19941004 <--
     ES 2194852            T3    20031201   ES 1994-115578         19941004 <--
     ZA 9407781            A     19950517   ZA 1994-7781           19941005 <--
     US 6683155            B1    20040127   US 1996-728160         19961009 <--
     HK 1009287            A1    20030829   HK 1998-109567         19980731 <--
     US 2003143693         A1    20030731   US 2003-348167         20030122 <--
PRAI US 1993-134231        A     19931006  <--
     EP 1994-115578        A3    19941004  <--
     WO 1994-US11241       W     19941004  <--
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AB Novel inhibitors of **metalloproteinases** and **polynucleotides** encoding them are described. In particular, novel mammalian tissue inhibitors of **metalloproteinase** (designated as type three, or "TIMP-3"), are described. The inhibitors, or analogs or derivs. with therapeutic uses may be manufactured by expression of the cloned gene. Antibodies selectively binding TIMP-3's are prepared A partial **cDNA** for the inhibitor was cloned by PCR of human fetal kidney mRNA using degenerate primers derived from related **proteins** and the fragment was then used to screen a com. fetal **cDNA** library to obtain a full-length **cDNA**. Expression of the **cDNA** in Escherichia coli is demonstrated.

IC ICM C12N0015-15
ICS C07K0014-81; C12N0001-21; C12N0005-10; A61K0048-00; A61K0038-57; A61K0038-43; A61K0038-17; A61K0038-48; C07K0016-38

CC 7-3 (Enzymes)
Section cross-reference(s): **1**

ST TIMP3 **cDNA** human

IT Integrins
Interferons
Retinoids
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Inflammation inhibitors
Neoplasm inhibitors
Ulcer inhibitors
Wound healing promoters
(TIMP-3 as; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Arthritis
Bone, disease
Emphysema
Nerve, disease

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      (TIMP-3 for treatment of; human tissue inhibitor of
      metalloproteinase type 3 (TIMP-3), its therapeutic uses and
      cloning of cDNA encoding it)
IT   Gene, animal
     RL: BSU (Biological study, unclassified); PRP (Properties); THU
     (Therapeutic use); BIOL (Biological study); USES (Uses)
      (cDNA; human tissue inhibitor of metalloproteinase
      type 3 (TIMP-3), its therapeutic uses and cloning of cDNA
      encoding it)
IT   Chemotactic factors
     RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
      (chemoattractants, TIMP-3 and, in therapeutic compns.; human tissue
      inhibitor of metalloproteinase type 3 (TIMP-3), its
      therapeutic uses and cloning of cDNA encoding it)
IT   Embryo
      (control of implantation of; human tissue inhibitor of
      metalloproteinase type 3 (TIMP-3), its therapeutic uses and
      cloning of cDNA encoding it)
IT   Extracellular matrix
      (diseases associated with degradation of, treatment of; human tissue
inhibitor
      of metalloproteinase type 3 (TIMP-3), its therapeutic uses
      and cloning of cDNA encoding it)
IT   Erythrocyte
      (disorders of, TIMP-3 for treatment of; human tissue inhibitor of
      metalloproteinase type 3 (TIMP-3), its therapeutic uses and
      cloning of cDNA encoding it)
IT   Lysosome
      (enzymes of, TIMP-3 and, in therapeutic compns.; human tissue inhibitor
      of metalloproteinase type 3 (TIMP-3), its therapeutic uses
      and cloning of cDNA encoding it)
IT   Protein sequences
      (of TIMP-3 of human; human tissue inhibitor of
      metalloproteinase type 3 (TIMP-3), its therapeutic uses and
      cloning of cDNA encoding it)
IT   Antibodies
     RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
      (to human TIMP-3; human tissue inhibitor of metalloproteinase
      type 3 (TIMP-3), its therapeutic uses and cloning of cDNA
      encoding it)
IT   Glycophosphoproteins
     RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
      (E-selectins, TIMP-3 and, in therapeutic compns.; human tissue
      inhibitor of metalloproteinase type 3 (TIMP-3), its
      therapeutic uses and cloning of cDNA encoding it)
IT   Glycoproteins, specific or class
     RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
      (L-selectins, TIMP-3 and, in therapeutic compns.; human tissue
      inhibitor of metalloproteinase type 3 (TIMP-3), its
      therapeutic uses and cloning of cDNA encoding it)
IT   Glycoproteins, specific or class
     RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
      (PAAG (pregnancy-associated α2- glycoprotein), enzymes of,
      TIMP-3 and, in therapeutic compns.; human tissue inhibitor of
      metalloproteinase type 3 (TIMP-3), its therapeutic uses and
      cloning of cDNA encoding it)
IT   Adhesion
      (bio-, modulators of, TIMP-3 and, in therapeutic compns.; human tissue
      inhibitor of metalloproteinase type 3 (TIMP-3), its
      therapeutic uses and cloning of cDNA encoding it)
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IT Animal growth regulators
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(blood platelet-derived growth factors, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Animal growth regulators
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(brain-derived neurotrophic factors, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Lymphokines and Cytokines
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(chemokines, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Animal growth regulators
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ciliary neurotrophic factors, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT **Deoxyribonucleic** acid **sequences**
(complementary, for TIMP-3 of human; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT **Deoxyribonucleic** acids
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(complementary, antisense, to TIMP-3 mRNA; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Surgery
(cosmetic, reconstructive, TIMP-3 in; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Periodontium
(disease, TIMP-3 for treatment of; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Connective tissue
(disease, scleroderma, TIMP-3 for treatment of; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT **Skin, disease**
(**epidermolysis bullosa dystrophica,**
TIMP-3 for treatment of; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Fertilization
(extracorporeal, human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Corticosteroids, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(gluco-, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Hemopoietins
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hematopoietic cell growth factors KL, TIMP-3 and, in therapeutic

compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Animal growth regulators
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(heregulins, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Lymphokines and Cytokines
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(interleukins, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Plasmid and Episome
(pCFM836, **cDNA** for human TIMP-3 on; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Lymphokines and Cytokines
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tumor necrosis factor-α, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Macroglobulins
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(α2-, enzymes of, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT Animal growth regulators
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(β-transforming growth factors, TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT **9001-12-1**, Collagenase 9001-90-5, Plasmin 9004-08-4, Cathepsin **9032-92-2, Glycosidase** 9039-53-6, Urokinase **9041-92-3**, α1- **Proteinase** inhibitor 9061-61-4, Nerve growth factor **9087-70-1**, Aprotinin 11096-26-7, Erythropoietin 37184-63-7, Inositol phosphatase **37205-61-1, Proteinase** inhibitor 62031-54-3, Fibroblast growth factor 62229-50-9, Epidermal growth factor 67763-96-6, Insulin-like growth factor 1 67763-97-7, Insulin-like growth factor II **79955-99-0**, Stromelysin 81627-83-0, M-CSF **81669-70-7, Metalloproteinase 86102-31-0, Proteinase** inhibitor, TIMP **86697-40-7**, Ovostatin **124861-55-8, Proteinase** inhibitor, TIMP-2 130939-66-1, Neurotrophin 3 138757-15-0, α2-Antiplasmin 139639-23-9, Tissue plasminogen activator **140208-23-7**, Plasminogen activator inhibitor 1 **140610-48-6**, Stromelysin 2 **141256-52-2, Proteinase**, PUMP-1 141436-78-4, **Protein** kinase C **142243-03-6**, Plasminogen activator inhibitor 2 **148263-58-5**, **Proteinase**, nexin 148348-15-6, Fibroblast growth factor 7
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT **156438-33-4D**, amino acid substituted analogs
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(amino acid **sequence**; human tissue inhibitor of

metalloproteinase type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT 165183-74-4 166586-12-5
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antibodies to, of human TIMP-3; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT **145809-21-8**, **Proteinase** inhibitor, TIMP 3
RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT **164781-48-0**
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(**nucleotide sequence**; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

IT **9001-12-1**, Collagenase **9032-92-2**, **Glycosidase** **9041-92-3**, α1- **Proteinase** inhibitor **9087-70-1**, Aprotinin **37205-61-1**, **Proteinase** inhibitor **79955-99-0**, Stromelysin **81669-70-7**, **Metalloproteinase** **86102-31-0**, **Proteinase** inhibitor, TIMP **86697-40-7**, Ovostatin **124861-55-8**, **Proteinase** inhibitor, TIMP-2 **140208-23-7**, Plasminogen activator inhibitor 1 **140610-48-6**, Stromelysin 2 **141256-52-2**, **Proteinase**, PUMP-1 **142243-03-6**, Plasminogen activator inhibitor 2 **148263-58-5**, **Proteinase**, nexin
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(TIMP-3 and, in therapeutic compns.; human tissue inhibitor of **metalloproteinase** type 3 (TIMP-3), its therapeutic uses and cloning of **cDNA** encoding it)

RN 9001-12-1 HCAPLUS
CN Collagenase (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 9032-92-2 HCAPLUS
CN Glycosidase (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 9041-92-3 HCAPLUS
CN Trypsin inhibitor, α1- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 9087-70-1 HCAPLUS
CN Trypsin inhibitor, pancreatic basic (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 37205-61-1 HCAPLUS
CN Proteinase inhibitor (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 79955-99-0 HCAPLUS
CN Stromelysin 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 81669-70-7 HCAPLUS

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CN   Proteinase, metallo- (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   86102-31-0  HCAPLUS
CN   Proteinase inhibitor, TIMP (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   86697-40-7  HCAPLUS
CN   Proteinase inhibitor, ovostatin (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   124861-55-8  HCAPLUS
CN   Proteinase inhibitor, TIMP 2 (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   140208-23-7  HCAPLUS
CN   Proteinase inhibitor, PAI-1 (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   140610-48-6  HCAPLUS
CN   Stromelysin 2 (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   141256-52-2  HCAPLUS
CN   Matrilysin (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   142243-03-6  HCAPLUS
CN   Proteinase inhibitor, PAI-2 (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN   148263-58-5  HCAPLUS
CN   Proteinase inhibitor, protease-nexin (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT   156438-33-4D, amino acid substituted analogs
     RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP
     (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU
     (Occurrence); USES (Uses)
        (amino acid sequence; human tissue inhibitor of
        metalloproteinase type 3 (TIMP-3), its therapeutic uses and
        cloning of cDNA encoding it)
RN   156438-33-4  HCAPLUS
CN   Proteinase inhibitor, TIMP 3 (human clone T7-1 reduced) (9CI)  (CA INDEX
     NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT   145809-21-8, Proteinase inhibitor, TIMP 3
     RL: BSU (Biological study, unclassified); PRP (Properties); THU
     (Therapeutic use); BIOL (Biological study); USES (Uses)
        (human tissue inhibitor of metalloproteinase type 3 (TIMP-3),
        its therapeutic uses and cloning of cDNA encoding it)
RN   145809-21-8  HCAPLUS
CN   Proteinase inhibitor, TIMP 3 (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT   164781-48-0
     RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP
     (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU
     (Occurrence); USES (Uses)
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        (nucleotide sequence; human tissue inhibitor of
        metalloproteinase type 3 (TIMP-3), its therapeutic uses and
        cloning of cDNA encoding it)
RN   164781-48-0  HCAPLUS
CN   DNA (human clone pCFM836 proteinase inhibitor TIMP-3 cDNA plus flanks)
     (9CI)  (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L133 ANSWER 7 OF 8  HCAPLUS  COPYRIGHT 2006 ACS on STN
AN   1993:656562  HCAPLUS
DN   119:256562
TI   Skin-care compositions containing chymotrypsin-like enzyme
IN   Rawlings, Anthony Vincent; Watkinson, Allan
PA   Unilever PLC, UK; Unilever N. V.
SO   PCT Int. Appl., 21 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE       APPLICATION NO.       DATE
     ---------------     ----   --------   --------------------  --------
PI   WO 9319732           A1    19931014   WO 1993-GB666          19930331 <--
         W:  AU, BR, CA, JP, KR
         RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
     AU 9338962           A1    19931108   AU 1993-38962          19930331 <--
     AU 675427            B2    19970206
     EP 633765            A1    19950118   EP 1993-907955         19930331 <--
     EP 633765            B1    19980617
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE
     JP 07505384          T2    19950615   JP 1993-517232         19930331 <--
     BR 9306179           A     19980623   BR 1993-6179           19930331 <--
     AT 167393            E     19980715   AT 1993-907955         19930331 <--
     ES 2119897           T3    19981016   ES 1993-907955         19930331 <--
     CA 2133086           C     20040203   CA 1993-2133086        19930331 <--
     ZA 9302404           A     19941002   ZA 1993-2404           19930402 <--
     US 5554366           A     19960910   US 1995-375076         19950117 <--
PRAI GB 1992-7288         A     19920402  <--
     US 1993-40812        B1    19930331  <--
     WO 1993-GB666        A     19930331  <--
AB   Topical compns. containing a stratum corneum chymotrypsin-like enzyme (SCCE)
     are effective for alleviation or prevention of dry flaky skin conditions,
     dandruff, and acne.  The composition may addnl. comprise a second enzyme
     selected from glycosidase, protease, lipase, and
     mixts. thereof.  SCCE was extracted from human plantar stratum corneum, a
     tissue rich in desmosomes.  A combination of glycosidase
     and SCCE promoted degradation of desmoglein in vitro.  A cream containing SCCE
and
     glycosidase was formulated.
IC   ICM  A61K0007-48
     ICS  A61K0037-547
CC   63-6 (Pharmaceuticals)
     Section cross-reference(s): 62
IT   Acne
       Dandruff
        (treatment of, topical compns. containing stratum corneum chymotrypsin-like
        enzyme for)
IT   Skin, disease
        (dry, treatment of, topical compns. containing stratum
        corneum chymotrypsin-like enzyme for)
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IT **Skin, composition**
(**stratum corneum**, chymotrypsin-like enzyme of,
dry skin condition treatment with)
IT **155215-90-0**
RL: BIOL (Biological study)
(of stratum corneum, topical compns. containing, for treatment of dry skin conditions)
IT 9001-62-1, Lipase **9001-92-7, Protease**
9032-92-2, Glycosidase
RL: BIOL (Biological study)
(topical compns. containing stratum corneum chymotrypsin-like enzyme and, for treatment of dry skin conditions)
IT **155215-90-0**
RL: BIOL (Biological study)
(of stratum corneum, topical compns. containing, for treatment of dry skin conditions)
RN 155215-90-0 HCAPLUS
CN Proteinase, SCCE (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
IT **9001-92-7, Protease 9032-92-2,**
Glycosidase
RL: BIOL (Biological study)
(topical compns. containing stratum corneum chymotrypsin-like enzyme and, for treatment of dry skin conditions)
RN 9001-92-7 HCAPLUS
CN Proteinase (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
RN 9032-92-2 HCAPLUS
CN Glycosidase (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L133 ANSWER 8 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1991:530236 HCAPLUS
DN 115:130236
TI Sugars protect **desmosome** and **corneosome**
glycoproteins from proteolysis
AU Walsh, A.; Chapman, S. J.
CS Dep. Dermatol., R. Liverpool Hosp., Liverpool, L69 3BX, UK
SO Archives of Dermatological Research (**1991**), 283(3), 174-9
CODEN: ADREDL; ISSN: 0340-3696
DT Journal
LA English
AB Adhesional **glycoproteins** of **desmosomes** possess asparagine-linked, complex oligosaccharide side chains. The potential of these sugars to protect the core **proteins** of **desmosomes** and **corneosomes** (modified stratum corneum **desmosomes**) against proteolysis was investigated. Isolated pig ear epidermis was exposed sequentially to individual hydrolases, and their effect monitored ultrastructurally. Two major steps were employed: (1) **glycosidases**, to remove stepwise the sugars in a typical complex oligosaccharide chain; and (2) proteolysis using both endopeptidases and an exopeptidase. Controls were exposed to the same **sequence** of buffers, but without enzymes. **Proteases** alone induced no major changes in **desmosomes** or **corneosomes** compared with controls. **Glycosidases** alone, or **proteases** followed by **glycosidases**, caused mild fragmentation of the **desmosomal** interspace, but no widening. However, dramatic changes

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     occurred when glycosidase treatment was followed by proteolysis.
     The interspace of both desmosomes and corneosomes was
     extensively digested, and consequently widened, causing loose packing of
     the epidermis.  These findings indicate that sugars are potentially
     anti-proteolytic in both desmosomes and corneosomes.
     Sugars may, therefore, be a factor in preventing premature
     desquamation, by protecting desmosomes and
     corneosomes against extracellular proteases derived from
     membrane-coating granules.
CC   6-3 (General Biochemistry)
ST   glycoprotein desmosome proteolysis sugar protection
IT   Carbohydrates and Sugars, biological studies
     RL: BIOL (Biological study)
        (glycoproteins of desmosome and corneosome
        protection from proteolysis by)
IT   Glycoproteins, specific or class
     RL: BIOL (Biological study)
        (adhesive, proteolysis of, of desmosomes,
        glycoprotein sugars protection against)
IT   Cell junction
        (desmosome, glycoproteins of, sugar group
        protection against proteolysis of)


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